HARDSHIP FINANCIAL ASSISTANCE CALCULATION CLEAN WATER FUND PROGRAM

(1) Municipality's 2000 Median Household Income =	\$	From 2000 Census	
(2) Increase In County's Per Capita Income =		See MEDIAN HOUSEHOLD INCOME	
·		document	
(3) Line (1) times [1 + Line (2)] =	\$	(MHI) Adjusted MHI	
*Example below			
(4) Number Of Residential Users (Households) =		(N) Individual housing units	
(4) Number of Residential Osers (Households) =		(14) marviadar nodsing drins	
(5) Total Project Costs =	\$	Engineer's most recent estimate	
(6) Ineligible Project Costs =	\$	e.g. laterals or hook-up fees	
(7) Grants From Other Sources =	\$	e.g. Rural Development or CDBG	
(8) Line (5) minus Line (6) minus Line (7) =	\$	Costs Eligible for CWFP Funding	
(-)	<u> </u>		
(9) Parallel Cost Percentage or PCP =	%		
(c) as a second contract of the contract of th			
(10) Line (8) times [1 - Line (9)] =	\$	Industry/Growth Market Costs	
**Example below			
(11) Other Market Costs =	\$		
(12) Line (10) plus Line (11) =	\$	Total Market Rate Costs	
(13) Line (12) @ 4.300% for 20 years =		(M) Annual Market Rate Payment	
***See below for steps to follow on calculator	\$		
(14) Line (8) minus Line (12) =		(P) Eligible for Below Market Interest	
(14) Line (0) minus Line (12) –	\$	Rate	
(15) Line (14) @ 2.365% or 3.010% for 20 years =	•	(AT) Annual Below-Market Rate	
****See below for steps to follow on calculator	\$	Payment	
(16) Estimated Annual Operation, Maintenance & Replacement Costs =	\$	(O)	
Replacement Costs =	Ф		
(17) Residential Flow in Plans & Specs =			
(18) Total Flow in Plans & Specs =			
(19) Line (17) divided by Line (18) =	%	(R) Residential Percentage	
		, ,	
(20) Outstanding P+I On Old Wastewater Debt =	\$	Not interim financing for this project	
(21) Debt > 10 Years For Ineligibles =	\$	<u> </u>	
(22) Line (20) plus Line (21) =	\$	Total Prior Wastewater Debt	
(23) Line 22 divided by 20 years =	\$	(W) Annual Prior Debt	
(or by number of years remaining on debt if greater than			
20 years).			

^{*}For example, if the MHI is \$20,000 and the increase is 35.5%, the equation is 20,000 X 1.355 = \$27,100.

^{****}To determine (AT), Annual Below-Market Rate Payment, follow these steps on a financial calculator: Put in amount from Line 14, press PV, type 2.365 or 3.010, press i, type 20, press n, then press PMT, then CHS.



^{**}For example, if the eligible costs are \$100,000 and the PCP is 99%, the equation is 100,000 X (1-0.99) = \$1,000.

^{***}To determine (M), Annual Market Rate Payment, follow these steps on a financial calculator (HP12C or similar): Put in amount from Line 12, press PV, type 4.3, press i, type 20, press n, then press PMT, then CHS.

Equation for Determining Eligibility

$$S = \underbrace{(AT + M + O + W) * R}_{(MHI)*(N)}, \text{ where}$$

	, , , ,							
R MHI	is the residential wastewater treatment charges as a percent of MHI is the annual CWFP below-market interest rate payment (Line 15, page 1) is the annual CWFP market rate payment (Line 13 above) is the annual operation, maintenance, and replacement costs (Line 16, page 1) is the annual prior debt and debt for > 10 years for ineligibles (Line 23, page 1) is the residential percentage (Line 19, page 1) is the adjusted median household income (Line 3, page 1) is the number of residential users (Line 4, page 1)							
Step 1.	Line 15	+ Line 13		+ Line 16				
	+ Line 23	=		Answer to Step 1				
Step 2.	Answer to Step 1 _		X Line 19	=				
		Answer to Step 2						
Step 3.	Line 3	X Line 4		_=	Answer to Step 3			
Step 4.	Answer to Step 2 _		/ Answer to Step	3	=			
		C						

If S is greater than 2% (.02), the municipality meets the second criterion for hardship financial assistance eligibility. Proceed to the calculation of type and amount of assistance.

If S is 2% (.02) or less, the municipality does not meet the second criterion for hardship financial assistance eligibility but may request a CWFP loan at the regular below-market interest rate.



Equation for Determining Type of Assistance and Amount

(MHI)(N)(.02) = A $A/R = B$		
B - O - W - M = C P/20 = D D - C = H		
(MHI, Line 3 of Inputs) times (# of Res. Users, Line 4) times (2% or $.02$) = Amount Residential Users Can Afford =	\$	(A)
(Amount Residential Users Can Afford) divided by (Residential %, Line 19) = Amount Entire Municipality Can Afford =	\$	(B)
(Amount Municipality Can Afford) minus (O,M&R, Line 16) minus (Prior Debt, Line 23) minus (Annual Market Rate Cost, Line 13) = Amt. Muni Can Afford to Pay Annually for CWFP Debt Service =	\$	(C)
(Project Costs Eligible for Below Market Interest Rate, Line 14) divided by (20) = Annual Debt Service at 0% =	\$	(D)
(Annual Debt Service at 0%) minus (Amount Municipality Can Afford for CWFP Debt Service) = Annual Grant Amount =	\$	(H)
IF (H) IS POSITIVE, THE FOLLOWING EQUATION APPLIES:		
(Annual Grant Amount) times (20) = H X 20 = Total Grant Needed to Get to 2% of MHI =	\$	
70% of Costs Eligible for Below Market Rate Interest = Line 14 X .7 = Maximum Grant =	\$	
Total Grant Needed to Get to 2% or Maximum Grant, whichever is less = Total Grant =	\$	
Line 12 of Inputs section = Total Market Rate Amount =	\$	
(Total Costs Eligible for CWFP Funding, Line 8) minus (Total Market Amount, Line 12) minus (Total Grant above) = Total 0% Loan =	\$	
Total Grant + Total Market Rate Amount + Total 0% Loan = Total Amount of Assistance Municipality is Eligible for (should = Line 8 of inputs section) =	\$	
IF (H) IS NEGATIVE, PERFORM INTEREST RATE CALCULATION ON FINANCIAL CA	LCULATOR:	

- a. Put in amount in **(C)** above -C = Payment b. Press ENTER P = Principal c. Press CHS 20 = Term
- d. Press PMT
- e. Put in amount in Line 14 of inputs section (P)
- f. Press PV
- g. Put in the number 20
- h. Press n
- i. Press i (Answer is your interest rate on below-market rate costs)

